ASSISTANT COMMISSIONER F⬛PATENTS   DOCK⬛NO. JP920000365US1
BOX PATENT APPLICATION   Date. February 16, 2001
⬛ngton, D.C. 20231

                          under Rule 1.53(b)
⬛smitted herewith for filing is the Patent Application/of:

I⬛tors: Apurva Kumar, Rajeev Shorey

For: REDUCTION OF DEVICE DISCOVERY DELAYS IN FREQUENCY HOPPING-BASED
        AD-HOC NETWORKS

ASSIGNEE NAME: International Business Machines Corporation
ASSIGNEE RESIDENCE: Armonk, New York

Enclosed are:

X   11   Sheets of Formal Drawings.

____   An assignment of the invention to International Business Machines
        Corporation, Armonk, New York 10504.

____   A certified copy of a _____ application, dated _____,
        no. _____.

____   Executed Declaration and Power of Attorney is attached to the
        application.

____   Associate Power of Attorney.

____   Information Disclosure Statement with form PTO-1449 with references
        attached.

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)	OTHER THAN A SMALL ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE
BASIC FEE	▓▓▓▓▓▓▓▓▓▓▓▓▓▓	▓▓▓▓▓▓▓▓▓▓	▓▓▓▓▓▓▓▓▓▓	$ 710.00
TOTAL CLAIMS	21 - 20 =	1	X $ 18 =	$ 18.00
INDEP CLAIMS	3 - 3 =	0	X $ 80 =	$ 0.00
____ MULTIPLE DEPENDENT CLAIM PRESENTED			+ $ 270=	$ 0.00
			TOTAL	$ 728.00

If the difference in Col. 1 is less than
zero, enter "0" in Col. 2.

_x_ Please charge my Deposit Account No. 09-0468 in the amount
     of $ 728.00 .

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     following fees associated with this communication or credit any
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     this sheet is enclosed.

     _x_ Any additional filing fees required under 37 CFR 1.16.

     _x_ Any patent application processing fees under 35 CFR 1.17.

                              Respectfully submitted,

                         By _____
                            Manny Schecter
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